

UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

17698 U.S. PTO
032604

17497 U.S. PTO
10/810352
032604

Attorney Docket No.: 2997-49

Inventors: James G. Metz of 542 E. 16th Avenue, Longmont, Colorado 80501
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Express Mail Label No.: EV368035346US

Title: "PUFA POLYKETIDE SYNTHASE SYSTEMS AND USES THEREOF"

Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

1. This application claims priority from U.S. Provisional Patent Application Nos. 60/457,979, filed March 26, 2003, 60/284,066, filed April 16, 2001, 60/298,796, filed June 15, 2001 and 60/323,269, filed September 18, 2001, and U.S. Patent Application Nos. 10/124,800, filed April 16, 2002, and 09/231,899, filed January 14, 1999. The entire disclosure of the provisional applications and non-provisional applications is considered to be part of the disclosure of the accompanying application and is hereby incorporated by reference. Enclosed for filing with the above-identified utility patent application are the following:
2. Specification (Total Pages of Text, including Abstract and Claims: **159**)
3. Drawing(s) (35 USC 113) (Total Sheets: **3** Formal)
4. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
 - a. Computer Readable Copy
 - b. Paper Copy (identical to computer copy)
 - c. Attorney for applicants hereby asserts pursuant to 37 CFR § 1.821(f) that the content of the paper of computer readable copies of SEQ ID No:1 through SEQ ID No:82 submitted herewith are identical
5. Return Postcard (MPEP 503) (should be specifically itemized)

FEE CALCULATION:

	(COL. 1) NO. FILED			(COL. 2*) NO. EXTRA	SMALL ENTITY			LARGE ENTITY	
					RATE	FEE		RATE	FEE
BASIC FEE:						\$385.00	OR		\$770.00
TOTAL CLAIMS:	126	-	20	106	X \$9 =		OR	X \$18 =	\$1,908.00
INDEP. CLAIMS:	11	-	3	8	X \$43 =		OR	X \$86 =	\$688.00
X MULTIPLE DEPENDENT CLAIMS					+ \$145 =		OR	+ \$290 =	\$290.00
*IF THE DIFFERENCE IN COL. 2 IS LESS THAN ZERO, ENTER "O" IN COL. 2.					TOTAL:				\$3,656.00

OTHER INFORMATION:

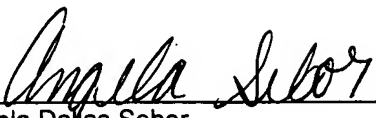
1. **NO FEE IS ENCLOSED.**
2. The Commissioner is hereby authorized to charge all required fees for extensions of time under §1.17 to Deposit Account No. 19-1970.
3. Correspondence Address:

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Respectfully submitted,

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Date: March 26, 2004